

## Abstract

A cement additive comprising a polycarboxylic acid type copolymer and/or a salt thereof and a polyalkylene glycol derivative, wherein said polycarboxylic acid type copolymer contains one or more species of copolymers composed of at least an unsaturated polyalkylene glycol type monomer and an unsaturated mono- or dicarboxylic acid type monomer as their monomer components. Concretes in which the additive is used have excellent flow, without significant retarding effect, and a low air entrainment. When used with concrete for steam curing, it allows earlier removal of form work.

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Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)
Algeria	1980	14.0	7.0	50.0	100.0	100.0
Algeria	1985	14.5	7.5	51.7	105.0	105.0
Algeria	1990	15.0	8.0	53.3	110.0	110.0
Algeria	1995	15.5	8.5	54.8	115.0	115.0
Algeria	2000	16.0	9.0	56.2	120.0	120.0
Algeria	2005	16.5	9.5	57.6	125.0	125.0
Algeria	2010	17.0	10.0	58.8	130.0	130.0
Algeria	2015	17.5	10.5	60.0	135.0	135.0
Algeria	2020	18.0	11.0	61.1	140.0	140.0
Algeria	2025	18.5	11.5	62.2	145.0	145.0
Algeria	2030	19.0	12.0	63.2	150.0	150.0
Algeria	2035	19.5	12.5	64.1	155.0	155.0
Algeria	2040	20.0	13.0	65.0	160.0	160.0
Algeria	2045	20.5	13.5	65.8	165.0	165.0
Algeria	2050	21.0	14.0	66.7	170.0	170.0
Algeria	2055	21.5	14.5	67.4	175.0	175.0
Algeria	2060	22.0	15.0	68.2	180.0	180.0
Algeria	2065	22.5	15.5	68.9	185.0	185.0
Algeria	2070	23.0	16.0	69.6	190.0	190.0
Algeria	2075	23.5	16.5	70.2	195.0	195.0
Algeria	2080	24.0	17.0	70.8	200.0	200.0
Algeria	2085	24.5	17.5	71.4	205.0	205.0
Algeria	2090	25.0	18.0	72.0	210.0	210.0
Algeria	2095	25.5	18.5	72.5	215.0	215.0
Algeria	2100	26.0	19.0	73.1	220.0	220.0
Algeria	2105	26.5	19.5	73.6	225.0	225.0
Algeria	2110	27.0	20.0	74.1	230.0	230.0
Algeria	2115	27.5	20.5	74.6	235.0	235.0
Algeria	2120	28.0	21.0	75.0	240.0	240.0
Algeria	2125	28.5	21.5	75.4	245.0	245.0
Algeria	2130	29.0	22.0	75.9	250.0	250.0
Algeria	2135	29.5	22.5	76.3	255.0	255.0
Algeria	2140	30.0	23.0	76.7	260.0	260.0
Algeria	2145	30.5	23.5	77.0	265.0	265.0
Algeria	2150	31.0	24.0	77.4	270.0	270.0
Algeria	2155	31.5	24.5	77.8	275.0	275.0
Algeria	2160	32.0	25.0	78.1	280.0	280.0
Algeria	2165	32.5	25.5	78.5	285.0	285.0
Algeria	2170	33.0	26.0	78.8	290.0	290.0
Algeria	2175	33.5	26.5	79.1	295.0	295.0
Algeria	2180	34.0	27.0	79.4	300.0	300.0
Algeria	2185	34.5	27.5	79.7	305.0	305.0
Algeria	2190	35.0	28.0	80.0	310.0	310.0
Algeria	2195	35.5	28.5	80.3	315.0	315.0
Algeria	2200	36.0	29.0	80.6	320.0	320.0
Algeria	2205	36.5	29.5	80.8	325.0	325.0
Algeria	2210	37.0	30.0	81.1	330.0	330.0
Algeria	2215	37.5	30.5	81.4	335.0	335.0
Algeria	2220	38.0	31.0	81.6	340.0	340.0
Algeria	2225	38.5	31.5	81.8	345.0	345.0
Algeria	2230	39.0	32.0	82.1	350.0	350.0
Algeria	2235	39.5				